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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 4

Application Number	10/669,337
Filing Date	09/25/2003
First Named Inventor	V. Crespi, et al.
Art Unit	1712
Examiner Name	

Attorney Docket Number MR1735-89

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RMS	A	US- 6,841,139	1/11/2005	Margrave, et al.	
RMS	B	US- 6,423,583	7/23/2002	Avouris, et al.	
RMS	C	US- 6,368,569	4/9/2002	Haddon, et al.	
RMS	D	US- 6,333,016	12/25/2001	Resasco, et al.	
RMS	E	US- 6,331,262	12/18/2001	Haddon, et al.	
RMS	F	US- 6,303,016	10/16/2001	Diener, et al.	
RMS	G	US- 2001/0004471	6/21/2001	Zhang	
RMS	H	US- 5,904,852	5/18/1999	Tour, et al.	
RMS	I	US- 5,851,503	12/22/1998	Mitani, et al.	
RMS	J	US- 5,711,927	1/27/1998	Atwood, et al.	
RMS	K	US- 5,698,174	12/16/1997	Müller, et al.	
RMS	L	US- 5,695,734	12/9/1997	Ikazaki, et al.	
RMS	M	US- 5,560,898	10/1/1996	Uchida, et al.	
RMS	N	US- 5,487,831	1/30/1996	Pirkle, et al.	
RMS	O	US- 5,338,529	8/16/1994	Pirkle, et al.	
RMS	P	US- 5,300,203	4/5/1994	Smalley	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature

Rebecca M. Stadler

Date Considered

November 16, 2005

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Sheet	2	of	4	Attorney Docket Number	MR1735-89

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
RMS	A1	Chen, R., et al. "Noncovalent sidewall functionalization of single-walled carbon nanotubes for protein immobilization", J. Am. Chem. Soc., 2001, 123 pp. 3838-9.			T ²
RMS	B1	Collins, P., et al., "Engineering carbon nanotubes and nanotube circuits using electrical breakdown", Science, Apr 27, 2001, Vol. 292, pp. 706-9.			
RMS	C1	Krupke, R., et al., "Separation of metallic from semiconducting single-walled carbon nanotubes", Science, Jul 18, 2003; Vol. 301, pp. 344-7.			
RMS	D1	Liu, J., et al., "Fullerene Pipes", Science, May 22, 1998, Vol. 280, pp. 1253-1256.			
RMS	E1	Georgakilas, V., et al., "Organic Functionalization of Carbon Nanotubes", J. Am. Chem. Soc., Vol. 124, No. 5, 2002, pp. 760 -761			
RMS	F1	Huang, Y., et al., "Directed assembly of one-dimensional nanostructures into functional networks", Science, Jan 26, 2001, Vol. 291, pp. 630-3.			
RMS	G1	Buogirono Nardelli, M., et al., "Mechanism of Strain Release in Carbon Nanotubes", Phys. Rev. B, Vol. 57, No. 8, 1998, pp. 4277-4280.			
RMS	H1	Zheng, M., et al., "DNA-assisted dispersion and separation of carbon nanotubes", Nature Materials, May 2003, Vol. 2, No.5, pp. 338-42, Advance Online Publication, April 6, 2003, www.nature.com/naturematerials, doi:10.1038/nmat877, pp. 1-5.			
RMS	I1	O'Connell, M., et al., "Band gap fluorescence from individual single-walled carbon nanotubes", Science, Jul 26, 2002, Vol. 297, pp. 593-6.			
RMS	J1	Zhang, P., et al., "Plastic deformations of carbon nanotubes", Phys. Rev. Lett. Vol 81, No. 24, Dec. 14, 1998, pp. 5346-5349.			

Examiner Signature	<i>Rebecca M. Hader</i>	Date Considered	<i>November 16, 2005</i>
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
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Sheet 3	of 4	Attorney Docket Number	MR1735-89

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
<i>RMS</i>	K1	Yakobson, B., et al. "Mechanical relaxation and "intramolecular plasticity" in carbon nanotubes", Appl. Phys. Lett. Vol. 72, No. 8, 1998, pp. 918-920.		
<i>RMS</i>	L1	Stone, H., et al., "Microfluidics: Basic issues, applications, and challenges", AIChE Journal, Vol. 47, No. 6, June 2001, pp. 1250-1254.		
<i>RMS</i>	M1	Service, R., "Nanotechnology. Sorting technique may boost nanotube research", Science, Jun 27, 2003, Vol. 300, p. 2018.		
<i>RMS</i>	N1	Diehl, M., et al., "Self-assembled, deterministic carbon nanotube wiring networks", Angew. Chem. Int. Ed. Engl., Jan 18, 2002, Vol. 41, No. 2, pp. 353-6.		
<i>RMS</i>	O1	Star, A., et al., "Dispersion and solubilization of single-walled carbon nanotubes with a hyperbranched polymer" Macromolecules, 2002, Vol. 35, pp. 7516-7520.		
<i>RMS</i>	P1	Huczko, A., "Synthesis of Aligned Carbon Nanotubes", Applied Physics A, Vol. 74, 2002, pp. 617-638.		
<i>RMS</i>	Q1	Chen, J., et al., "Solution properties of single-walled carbon nanotubes", Science, Oct 2, 1998, Vol. 282, pp. 95-98.		
<i>RMS</i>	R1	Cabodi, M., et al., "Entropic recoil separation of long DNA molecules", Analytical Chemistry, Oct. 15, 2002, Vol. 74, No. 20, pp. 5169-5174.		
<i>RMS</i>	S1	Star A, et al., "Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes", Angew. Chem. Int. Ed. Engl., May 4, 2001, Vol. 40, No. 9, pp. 1721-1725.		
<i>RMS</i>	T1	Lynch, M., et al., "Organizing Carbon Nanotubes with Liquid Crystals", Nano Letters, Vol. 2, No. 11, 2002, pp. 1197-1201.		

Examiner Signature	<i>Rebecca M. Shadler</i>	Date Considered	<i>November 16, 2005</i>
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<i>DMS</i>	U1	Harte, A., "Liquid Crystals Allow Large-Scale Alignment of Carbon Nanotubes", CURJ, November, 2001, Vol. 1, No. 2, pp. 44-49.		T ²
<i>RMS</i>	V1	Yanagi, H., et al., "Self-Orientation of Short-Walled Carbon Nanotubes Deposited on Graphite", J. Appl. Phys., Vol. 78, No.10, 2001, pp. 1355-1357.		
<i>CMW</i>	W1	Pompeo, F., et al., "Water-solubilization of single-walled carbon nanotubes by functionalization with glucosamine", NanoLetters Vol. 2, No. 4, 2002, pp. 369-373.		

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